



INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/712,391	ATTY. DOCKET NO.: B0801.70256US01
		FILING DATE: November 12, 2003	CONFIRMATION NO.: 8225
		APPLICANT: Pier et al.	
		GROUP ART UNIT: 1645	EXAMINER: Not Yet Assigned
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U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		

FOREIGN PATENT DOCUMENTS

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OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
CF ↓ ↓ ↓ ↓	C1	MAIRA-LITRAN et al., Immunochemical properties of the staphylococcal poly-N-acetylglucosamine surface polysaccharide. Infect Immun. 2002 Aug;70(8):4433-40.	
	C2	McKENNEY et al., The ica locus of Staphylococcus epidermidis encodes production of the capsular polysaccharide/adhesin. Infect Immun. 1998 Oct;66(10):4711-20.	
	C3	MACK et al., The intercellular adhesin involved in biofilm accumulation of Staphylococcus epidermidis is a linear beta-1,6-linked glucosaminoglycan: purification and structural analysis. J Bacteriol. 1996 Jan;178(1):175-83.	
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EXAMINE R	/Christian Fronda/	DATE CONSIDERED	11/01/2006
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#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

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CF	B1	EP	0 302 781	A1	Institut Pasteur	02-08-1989	Y- Abstr.

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	B3	FR	2 410 043	A1	Yoshida	06-22-1979	Y – Abstr.
	B4	FR	2 581 877	A1	Universite Catholique de Louvain	11-21-1986	Y – Abstr.
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CF	C5	GENBANK Submission; NIH/NCBI, Accession No. BA000018; Kuroda et al.; October 22, 2004 (last submission).		
	C6	[No Author Listed] ATCC Catalogue website 2001; ATCC Number 35984.		
	C7	[No Author Listed] ATCC Catalogue: Bacteria and Bacteriophages; 1992; 18th Edition; p301.		
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CF	C13	CHEN et al., Characterization and biological properties of chemically deglycosylated human chorionic gonadotropin. Role of carbohydrate moieties in adenylate cyclase activation. J Biol Chem. 1982 Dec 10;257(23):14446-52.	
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	C88	YOSHIDA et al., Cross protection between a strain of Staphylococcus epidermidis and eight other species of coagulase-negative staphylococci. Can J Microbiol. 1988 Jul;34(7):913-5.	
	C89	YOUMANS, Staphylococci, Staphylococcal Disease, and Toxic Shock Syndrome. in The Biologic and Clinical Basis of Infectious Diseases, Third Edition.. Youmans et al., eds. W.B. Saunders Company: Philadelphia, 1985. p 618-29 and 738-9.	
↓	C90	ZIEBUHR et al., Detection of the intercellular adhesion gene cluster (ica) and phase variation in Staphylococcus epidermidis blood culture strains and mucosal isolates. Infect Immun. 1997 Mar;65(3):890-6.	

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/712,391		ATTY. DOCKET NO.: B0801.70256US01	
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CF	C91	ZIEBUHR et al., A novel mechanism of phase variation of virulence in Staphylococcus epidermidis: evidence for control of the polysaccharide intercellular adhesin synthesis by alternating insertion and excision of the insertion sequence element IS256. Mol Microbiol. 1999 Apr;32(2):345-56.	

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/Christian Fronda/	11/01/2006

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U.S. PATENT DOCUMENTS

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CF		GÖTZ et al., Staphylococcus and biofilms. Mol Microbiol. 2002 Mar;43(6):1367-78.	

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CF	C93	GERKE et al., Experimental Pseudomonas aeruginosa infection of the mouse cornea. Infection and Immunity. 1971;3(2):209-16.	
	C94	MAIRA-LITRAN et al., Comparative opsonic and protective activities of Staphylococcus aureus conjugate vaccines containing native or deacetylated Staphylococcal Poly-N-acetyl-beta-(1-6)-glucosamine. Infect Immun. 2005 Oct;73(10):6752-62. Abstract Only.	
	C95	PIER et al., Isolation and characterization of a high-molecular-weight polysaccharide from the slime of Pseudomonas aeruginosa. Infect Immun. 1978 Dec;22(3):908-18.	
	C96	PIER et al., Protective immunity induced in mice by immunization with high-molecular-weight polysaccharide from Pseudomonas aeruginosa. Infect Immun. 1978 Dec;22(3):919-25.	
↓	C97	Pier et al., Further purification and characterization of high-molecular-weight polysaccharide from Pseudomonas aeruginosa. Infect Immun. 1983 Dec;42(3):936-41.	

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PART II: Compliance with 37 CFR §1.704(d)

Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by the office of the undersigned more than thirty (30) days prior to the filing of this Information Disclosure Statement.

PART III: Information Cited

The Applicant hereby makes the following additional information of record in the above-identified application.

The Applicant would like to bring to the Examiner's attention the enclosed search report or other communication from a corresponding International or Foreign National Application.

	<u>Serial No.</u>	<u>Mailing Date</u>	<u>Type(s) of Communication</u>	<u>Docket No.</u>
CF	EP 03783450.4	February 17, 2006	European Search Report	B0801.70256EP00
	/Christian Fronda/		11/01/2006	

PART IV: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 (modified PTO/SB/08) be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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ATTY. DOCKET NO.: B0801.70256US01

FILING DATE: November 12, 2003

CONFIRMATION NO.: 8225

APPLICANT: Pier et al.

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CF	B22	WO	03/053462	A2	Merck & Co., Inc.	07-03-2003	

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CF	C98	ALIGNNET et al., Tracking adhesion factors in Staphylococcus caprae strains responsible for human bone infections following implantation of orthopaedic material. Microbiology. 1999 Aug;145 (Pt 8):2033-42.	
	C99	ARCIOLA et al., In catheter infections by Staphylococcus epidermidis the intercellular adhesion (ica) locus is a molecular marker of the virulent slime-producing strains. J Biomed Mater Res. 2002 Mar 5;59(3):557-62. Abstract Only.	
	C100	BHASIN et al., Identification of a gene essential for O-acetylation of the Staphylococcus aureus type 5 capsular polysaccharide. Mol Microbiol. 1998 Jan;27(1):9-21. Abstract Only.	
	C101	CRAMTON et al., Anaerobic conditions induce expression of polysaccharide intercellular adhesin in Staphylococcus aureus and Staphylococcus epidermidis. Infect Immun. 2001 Jun;69(6):4079-85.	
	C102	DOBINSKY et al., Influence of Tn917 insertion on transcription of the icaADBC operon in six biofilm-negative transposon mutants of Staphylococcus epidermidis. Plasmid. 2002 Jan;47(1):10-7. Abstract Only.	

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/Christian Fronda/

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CF	C103	FATTOM et al., Antigenic determinants of Staphylococcus aureus type 5 and type 8 capsular polysaccharide vaccines. Infect Immun. 1998 Oct;66(10):4588-92.	
	C104	FEY et al., Characterization of the relationship between polysaccharide intercellular adhesin and hemagglutination in Staphylococcus epidermidis. J Infect Dis. 1999 Jun;179(6):1561-4. Abstract Only.	
	C105	FOWLER et al., The intercellular adhesin locus ica is present in clinical isolates of Staphylococcus aureus from bacteremic patients with infected and uninfected prosthetic joints. Med Microbiol Immunol (Berl). 2001 Apr;189(3):127-31. Abstract Only.	
	C106	FREBOURG et al., PCR-Based assay for discrimination between invasive and contaminating Staphylococcus epidermidis strains. J Clin Microbiol. 2000 Feb;38(2):877-80.	
	C107	GELOSIA et al., Phenotypic and genotypic markers of Staphylococcus epidermidis virulence. Clin Microbiol Infect. 2001 Apr;7(4):193-9. Abstract Only.	
	C108	HEILMANN et al., Further characterization of Staphylococcus epidermidis transposon mutants deficient in primary attachment or intercellular adhesion. Zentralbl Bakteriol. 1998 Jan;287(1-2):69-83. Abstract Only.	
	C109	JI et al., Regulated antisense RNA eliminates alpha-toxin virulence in Staphylococcus aureus infection. J Bacteriol. 1999 Nov;181(21):6585-90.	
	C110	JI et al., Identification of critical staphylococcal genes using conditional phenotypes generated by antisense RNA. Science. 2001 Sep 21;293(5538):2266-9.	
	C111	KOLBERG et al., Monoclonal antibodies with specificities for Streptococcus pneumoniae group 9 capsular polysaccharides. FEMS Immunol Med Microbiol. 1998 Apr;20(4):249-55. Abstract Only.	
	C112	LONGWORTH et al., O-Acetylation status of the capsular polysaccharides of serogroup Y and W135 meningococci isolated in the UK. FEMS Immunol Med Microbiol. 2002 Jan 14;32(2):119-23. Abstract Only.	
	C113	MACK et al., Molecular mechanisms of Staphylococcus epidermidis biofilm formation. J Hosp Infect. 1999 Dec;43 Suppl:S113-25. Abstract Only.	
	C114	MACK et al., Genetic and biochemical analysis of Staphylococcus epidermidis biofilm accumulation. Methods Enzymol. 2001;336:215-39.	
	C115	McNEELY et al., Antibody responses to capsular polysaccharide backbone and O-acetate side groups of Streptococcus pneumoniae type 9V in humans and rhesus macaques. Infect Immun. 1998 Aug;66(8):3705-10.	
	C116	MICHON et al., Structure activity studies on group C meningococcal polysaccharide-protein conjugate vaccines: effect of O-acetylation on the nature of the protective epitope. Dev Biol (Basel). 2000;103:151-60. Abstract Only.	
✓	C117	MULLER et al., Capsular polysaccharide/adhesin (PS/A) production by coagulase-negative staphylococci (CNS) is associated with adherence to silastic tubing. 1989. Page 49. Abstract B-111.	

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CF	C118	KELLY-QUINTOS et al., Characterization of the opsonic and protective activity against Staphylococcus aureus of fully human monoclonal antibodies specific for the bacterial surface polysaccharide poly-N-acetylglucosamine. Infect Immun. 2006 May;74(5):2742-50.	

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